· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)	
	10/657,428	WAFFAOUI EL, RACHID	
Notice of Allowability	Examiner	Art Unit	
	My-Trang N. Ton	2816	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in) or other appropriate commu IGHTS. This application is so	this application. If not includ inication will be mailed in due	ed course. THIS
1. 🔀 This communication is responsive to <u>Tel. Int. 07/2/04</u> .			
2. The allowed claim(s) is/are <u>1-12</u> .			
3. The drawings filed on are accepted by the Examine	ır.		
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have Certified copies of the certified copies of the priority documents have The priority documents have Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	e been received. e been received in Application cuments have been received of this communication to file	n No I in this national stage applica	
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☒ including changes required by the attached Examiner's Paper No./Mail Date 07/12/04. Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the state of the property of the state of the property	son's Patent Drawing Review s Amendment / Comment or 84(c)) should be written on th	in the Office action of e drawings in the front (not the	e back) of
7. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATE	RIAL must be submitted.	Note the
Attachment(s)	5 May 20		-
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 		ormal Patent Application (PT Immary (PTO-413),	O-152)
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date <u>9/8/03</u> 	Paper No./ľ	Mail Date <u>07/12/04</u> . Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's	Statement of Reasons for Allo	owance
of Biological Material	9.	· Compragh	n
		MY-TRANG NU PRIMARY EXAM	

Application/Control Number: 10/657,428

Art Unit: 2816

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Att. Waxler on 07/12/04.

The abstract has been amended as follow:

In the abstract

Disclosed is a limiting amplifier for amplifying an input signal including at least first portions having a first amplitude and second portions having a second amplitude being lower than said first amplitude. The amplifier includes a first peak detector for detecting the current maximum value in the input signal. The amplifier also includes a second peak detector for detecting the current minimum value in the input signal. The amplifier also includes determining means for providing a first decision that a variation in the input signal is due to a variation in a first amplitude and/or a second amplitude, or a second decision that a variation in the input signal is due to a transition from a first portion to a second portion, a third decision that a variation in the input signal is due to a transition from a second portion to a first portion, and controlling meats for either activating or inactivating one of the decreasing means and the increasing means based on the decision.

Application/Control Number: 10/657,428

Art Unit: 2816

In the drawings

The following changes to the drawings have been approved by the examiner and agreed upon by applicant: Figs. 1-4 have been labeled as the "Prior Art". In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

Reasons for allowance

The following is an examiner's statement of reasons for allowance:

The present invention is drawn to a limiting amplifier utilizing a first peak detecting means, a second peak detecting means, determining means, and controlling means recited in claims 1-12. None of the prior art disclosed or suggested to show the particular structure and/or the particular operation recited in these claims namely: the combination of all the details for "the first peak detecting means", the details for "the second peak detecting means", "determining means" and "the controlling means" as recited in claim 1; the combination of all the method steps as recited in claim 9.

The prior art references submitted by the applicant on IDS form received on 09/08/03 was reviewed and considered. These references appear to be the best references with respect to the claimed invention and closely matched most of the references found during the examiner's searches. However, as noted above, the combination of all the details for "the first peak detecting means", the details for "the second peak detecting means", "determining means" and "the controlling means" (claim 1); the combination of all the method steps as recited in claim 9 is not disclosed. Therefore, the claims are patentably distinct over all these prior art references of record.

Art Unit: 2816

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to My-Trang N. Ton whose telephone number is 571-272-1754. The examiner can normally be reached on 7:00 a.m - 5:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MY-TRANG NU TON PRIMARY EXAMINER

July 12, 2004